

Message Text

UNCLASSIFIED

PAGE 01 STATE 267795

ORIGIN EB-08

INFO OCT-01 EUR-12 ISO-00 FEA-01 ERDA-07 AID-05 CEA-01

CIAE-00 COME-00 DODE-00 FPC-01 H-02 INR-07 INT-05

L-03 NSAE-00 OMB-01 PM-05 OES-07 SP-02 SS-15

STR-05 TRSE-00 ACDA-12 NSCE-00 SSO-00 USIE-00

INRE-00 PA-02 PRS-01 /103 R

DRAFTED BY EB/ORF/FSE:WCRAMSAY:EW

APPROVED BY EB/ORF/FSE:GARSEN

EUR/RPE:CKSTOCKER

-----010119 090019Z /21

O 082320Z NOV 77

FM SECSTATE WASHDC

TO AMEMBASSY BONN IMMEDIATE

AMEMBASSY LONDON IMMEDIATE

AMEMBASSY OSLO IMMEDIATE

AMEMBASSY PARIS IMMEDIATE

AMEMBASSY STOCKHOLM IMMEDIATE

UNCLAS STATE 267795

E.O. 11652:N/A

TAGS: ENRG, GE, UK, NO, FR, SW

SUBJECT:SURVEY OF COMMERCIALIZATION OF FLUIDIZED COAL
COMBUSTION SYSTEMS

1. THE DEPARTMENT OF ENERGY HAS REQUESTED THE STATE
DEPARTMENT TO PERFORM A QUICK SURVEY OF THE COMMERCIAL
STATUS OF FLUIDIZED BED COAL COMBUSTION SYSTEMS (FBC).
FBC IS REPORTEDLY ON THE VERGE OF EXTENSIVE MANUFACTURE
IN EUROPE AND COMMERCIAL INFORMATION AVAILABLE TO DOE IS
GENERALLY SPARSE AND CONFLICTING.

2. DOE HAS PREPARED TWO QUESTIONNAIRES SEE PARA 4 AND 5
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 STATE 267795

BELOW, ONE FOR VENDORS OF FBC UNITS AND ONE FOR PURCHAS-
ERS. A LIST OF INITIAL FBC VENDORS APPEARS IN PARA 6 AND
USING THIS LIST, POSTS WILL HOPEFULLY BE ABLE TO OBTAIN
THE NAMES OF PRINCIPAL CUSTOMERS.

3. DOE HAS REQUESTED THE RESULTS OF THIS INITIAL SURVEY BY
NOV 14. DEPARTMENT IS AWARE OF THE VERY SHORT NOTICE BEING

GIVEN FOR THE COLLECTION OF THESE DATA AND WILL APPRECIATE
WHATEVER INFORMATION CAN BE PROVIDED IN THIS TIME FRAME.

4. QUESTIONNAIRE FOR FBC USERS

NAME OF THE FBC UNIT AND INSTALLATION

PERSON CONTACTED

COMPANY

ADDRESS

PHONE NUMBER

LOCATION

COST

PLEASE PROVIDE:

THE INSTALLED COST

WHAT DOES THE COST INCLUDE?

IF POSSIBLE, SPECIFY THE CAPITAL COST OF

ADD-ON POLLUTION CONTROL EQUIPMENT (I.E., DUST, COLLEC-
TORS)

THE OPERATING COST

WHAT DOES THE COST INCLUDE?

IF POSSIBLE SPECIFY THE:

FUEL COST

INSURANCE COST

WASTE DISPOSAL COST

OTHER COSTS (SPECIFY)

THE MAINTENANCE COST:

WHAT DOES THE COST INCLUDE?

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 267795

IF POSSIBLE SPECIFY:

LABOR COSTS

MATERIAL COSTS

OTHER COSTS (SPECIFY)

CHARACTERISTICS

PLEASE PROVIDE THE FOLLOWING INFORMATION REGARDING THE
CHARACTERISTICS OF YOUR FBC UNITS.

IF THE UNIT IS USED TO GENERATE STEAM, WHAT IS THE COST/
POUNDS OF STEAM HOUR?

SIZE IN MEGAWATTS THERMAL

SPECIFY BED PRESSURE IF ABOVE ATMOSPHERIC

THE APPLICATION (I.E., END USE -- HOT WATER FOR?

STEAM FOR? ELECTRICITY FOR? HEAT FOR? COMBUSTIBLE WASTE
FOR?

THE FUELS USED (I.E., COAL (INDICATE RANK), OIL, WOOD,
GAS, WASTE MATERIALS)

EXPERIENCE

PLEASE DESCRIBE ANY OPERATIONAL PROBLEMS AND CONTINGENCI-
ES:

RELIABILITY - GIVE THE NUMBER OF HOURS THE UNIT HAS

OPERATED AND THE NUMBER OF HOURS THE UNIT WAS OUT OF

SERVICE DUE TO MALFUNCTIONS (EXCLUDING SCHEDULED MAIN-

TENANCE).

HOURS OPERATED

HOURS OUT OF SERVICE

REDUNDANCY-DOES THE SYSTEM HAVE ANY BACKUP (I.E.,EXTRA

INSURANCE - IF THE UNIT IS GUARANTEED OR INSURED, SPECIFY

THE COVERAGE, I.E., COST OF LOST PRODUCTION.

BASED ON THE USER'S EXPERIENCE WOULD THE USER:

PURCHASE ANOTHER IDENTICAL SYSTEM?

PURCHASE A DIFFERENT TYPE SYSTEM:

A DIFFERENT FLUIDIZED BED UNIT?

A CONVENTIONAL COMBUSTOR?

UNDECIDED?

PLEASE PROVIDE ANY HELPFUL COMMENTS ON THE USER'S EXPERI-

UNCLASSIFIED

UNCLASSIFIED

PAGE 04 STATE 267795

ENCE

5. QUESTIONNAIRE FOR FBC VENDORS

AS APPLICABLE, PLEASE ANSWER THE FOLLOWING QUESTIONS FOR:

NAME OF VENDOR

PERSON CONTACTED

PHONE NUMBER

ADDRESS

A. UNITS THAT HAVE ALREADY BEEN SOLD;

B. UNITS THAT ARE PRESENTLY AVAILABLE FOR SALE;

C. UNITS THAT ARE EXPECTED TO BE OFFERED FOR SALE:

(INCLUDE THE EXPECTED DATE OF COMMERCIAL AVAILABILITY)

PRODUCTION CHARACTERISTICS

1. NAME OF FBC PRODUCT

2. SIZE OF THE UNIT IN MEGAWATTS THERMAL

3. END USE APPLICATION

4. TYPE(S) OF FUEL FOR WHICH IT IS DESIGNED

COST

5. CAPITAL COST AS BID -- WHAT DOES THE COST INCLUDE?

6. WHAT ARE THE ESTIMATED OPERATING AND MAINTENANCE

COSTS --

7. WHAT DO THE COSTS INCLUDE?

RELIABILITY

8. WHAT IS THE ESTIMATED RELIABILITY OF THE SYSTEM?

9. IF THE VENDOR FURNISHES A WARRANTY SPECIFY THE COVERAGE

(I.E., COST OF LOST PRODUCTION)

10. IS THE VENDOR SELF-INSURED/OR DOES THE VENDOR PURCHASE

INSURANCE FOR POTENTIAL WARRANTY LIABILITY?

11. IF APPLICABLE, IDENTIFY INSURER OF THE VENDOR'S

WARRANTY.

12. WHAT HAS THE VENDOR'S WARRANTY LIABILITY BEEN?

13. IDENTIFY THE UNIT WITH THE MOST OPERATING HOURS.

SALES

UNCLASSIFIED

UNCLASSIFIED

PAGE 05 STATE 267795

14. HOW MANY UNITS HAVE BEEN SOLD TO DATE -- SPECIFY TYPES SOLD, IF VENDOR OFFERS MORE THAN ONE TYPE OF PRODUCT.

15. WHAT IS THE MANUFACTURER'S CURRENT PRODUCTION CAPACITY?

16. IDENTIFY LICENSEES (ESPECIALLY IN THE U.S.A.)

17. PROVIDE A FORECAST OF SALES THROUGH 1978.

18. FURNISH A VENDOR'S BROCHURE.

19. FURNISH A LIST OF CUSTOMERS AND PROSPECTIVE CUSTOMERS (INCLUDE THE ADDRESSES AND TELEPHONE NUMBERS).

6. VENDOR CONTACTS

SWEDEN

ENKOPING DISTRICT HEATING, DAVID ARTHURSON,

PHONE: 0171 33340

MUSTAD, ET AL

ENGLAND

STAAL-LAVAL, LONDON, H. HARBOE

WOODHALL DUCKHAM LTD, LONDON

COAL UTILISATION RESEARCH LAB.

LEATHERHEAD

INTERNATIONAL ENERGY AGENCY,

GRIMETHORPE

NATIONAL COAL BOARD STOKE ORCHARD

BABCOCK AND WILCOX LTD, RENFREW

SCOTLAND

STONE - PLATT LTD (FLUIDFIRE), WEST

MIDLANDS, MICHAEL VIRR - PHONE 0384 211551

NORWAY

MUSTAD ET AL - GJORIK AND SANDFJORD

FRANCE

IFNIFLUID, PARIS

WEST GERMANY

BERGBAU - FORCHUNG, ESSEN

VANCE

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: COAL, SURVEYS, FBC-FLUIDIZED BED COAL
Control Number: n/a
Copy: SINGLE
Sent Date: 08-Nov-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE267795
Document Source: CORE
Document Unique ID: 00
Drafter: WCRAMSAY:EW
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770412-1232
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19771182/aaaacrzx.tel
Line Count: 209
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: ca1f461f-c288-dd11-92da-001cc4696bcc
Office: ORIGIN EB
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 4
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 24-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 668061
Secure: OPEN
Status: NATIVE
Subject: SURVEY OF COMMERCIALIZATION OF FLUIDIZED COAL COMBUSTION SYSTEMS
TAGS: ENRG, GC, UK, NO, FR, SW
To: BONN LONDON MULTIPLE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/ca1f461f-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009